

30436

Capacitance and series resistance ...

S/109/61/006/012/011/020
D264/D305

ness l of the base, calculated and measured r_s , capacitance of the p-n junction for -2 v bias. l was estimated visually by microscopic examination of cut junctions and in the case of diffused diodes by a thermal probe method. A graphical method of determining $\phi^* = U_k - U_i$ is given (U_k = contact difference of potentials, U_i = decrease of voltage at the inversion layer). For fused diodes the measured values of ϕ^* were 0.23 v when the excess concentration of ionized impurity $N_d = 2 \times 10^{16} \text{ cm}^{-3}$ and 0.28 v when $N_d = 3.5 \times 10^{16} \text{ cm}^{-3}$. These are 70 % of the calculated values of ϕ^* . Acknowledgment is made to B.M. Vul for guidance, N.Ye. Skvortsova, Yu.F. Sokolov and S.N. Ivanov for discussion and Yu.N. Korolev, L.N. Novak and G.F. Proshko for preparation of samples. There are 7 figures, 2 tables and 4 references: 2 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: S.T. Eng and R. Solomon, Proc. I.R.E., 1960, 48, 3, 358 and D.E. Sawyer, J. Appl. Phys., 1959, 30.11, 1689.

Card 3/4

30436

Capacitance and series resistance ...

S/109/61/006/012/011/020
D264/D305

ASSOCIATION: Fizicheskiy institut im. P.N. Lebedeva AN SSSR (Physics Institute Im. P.N. Lebedev, AS USSR)

SUBMITTED: December 28, 1960

4

Card 4/4

BAGAYEV, Yu.P., podpolkovnik meditsinskoy sluzhby

Tube for artificial respiration with expiratory air. Voen.-
med. zhur. no.3:89 '65. (MIRA 18:11)

~~SECRET~~
BAGAYEVA, G.G.; GOROKHOVSKIY, Yu.N.; LEVENBERG, T.M.

Study of the granular structure of developed photographic layers.
Part 3. Effect of the composition of the developer and of sensitometric development standards on the granularity of photographic blackening. Usp.nauch fot. no.4:241-262 '55. (MLRA 9:4)
(Photography--Developing and developers)

~~BAGAYEVA, E. G.~~ ~~BAGAEVA, E. G.~~
BAGAYEVA, E. G.

BAGAYEVA, G.G.; BLYUMBERG, I.B.; FEDOSEYEVA, A.S.

Spray dyeing of matrices in the inhibition method of processing
color films. Trudy LIKI no. 5:219-224 '59. (MIRA 13:12)

1. Kafedra obshchey fotografii i tekhnologii obrabotki plenki
Leningradskogo instituta kinoinzhenerov.
(Color photography--Printing processes)

BAGAYEVA, KLARA, diplomnitsa geograficheskogo fakul'teta

A trip to Ryazan; pages from the diary of Klara Bagaeva, a
department of geography graduate. Vokrug sveta no.5:4-5 My
'55. (MLRA 8:6)
(Ryazan Province--Scientific expeditions)

BAGAYEVA, M. I.

37679 ikhtiol-pentsillinovaya maz' v dermatologii. vestnik venerologii i dermatologii, 1949 No. 6, s. 50-51.

So. Letopis' Zhurnal'nykh Statey, Vol. 47, 1949

BAGAYEVA, M. I.

Use of Gordeev's solution in dermatology. Vest. vener. no.5:58
Sept-Oct 1950. (CIML 20:1)

1. Of the Department of Dermatology (Head — Prof. L. N. Mash-
killeyson), Central Skin-Venereological Institute (Director —
Candidate Medical Sciences N. M. Turanov) of the Ministry of
Public Health USSR.

^Y
BAGAEVA, N. I.

~~Dermatitis caused by sancaphen.~~ Sovet med. No. 11, Nov. 50.
p. 28

1. Moscow.

GLML 20, 3, March 1951

BAGAYEVA, M. I.

183T75

USSR/Medicine - Pharmaceuticals and
Acaricides

May 51

"On the Treatment of Scabies," M. I. Bagayeva, Cand
Med Sci, Moscow

"Sov Med" Vol XV, No 5, pp 25, 26

Describes clinical results obtained in treatment
of 117 cases of scabies with hyposulfite-bisulfate
according to Prof Dem'yanovich's method. Tried 5
modifications of the prescription and found 10%
suspension of sulfur in 30% hyposulfite sol plus
30% sol of bisulfate more effective than the others.

183T75

BAGAYEVA, M.I., kandidat meditsinskikh nauk; FANDEYEV, L.I., kandidat meditsinskikh nauk [authors].

Papillary and pigmentary dystrophy. Vest.ven.1 derm. no.4:60 J1-Ag '53.
(MIRA 6:9)

1. TSentral'nyy kozhno-venerologicheskiy institut.
(Skin--Diseases) (Cancer)

BAGAYEVA, M.I.

Application of PAS in the treatment of lupus erythematosus; preliminary communication. Sovet med. 17 no.5:42 May 1953. (GLML 24:5)

1. Candidate Medical Sciences. 2. Of the Department of Dermatology, Central Dermato-Venereological Institute (Director -- N. M. Turanov), Ministry of Public Health USSR.

BAGAYEVA, M.I.

Scientific session of the Institute of Skin Tuberculosis. Vest. ven.
1 derm. no.6:54-55 N-D '54. (MLRA 8:2)
(TUBERCULOSIS--SOCIETIES)

BAGAYEVA, M.I., kandidat meditsinskikh nauk; GUL'YAN, N.G. (Moskva)

Aureomycin therapy of suppurative skin diseases. Sov. med. 18
no.7:36-37 J1 '54. (MLRA 7:8)

(PYODERMA, therapy

*chlortetracycline)

(CHLORTETRACYCLINE, therapeutic use

*pyoderma)

BAGAYEVA, M.I., kandidat meditsinskikh nauk

Scientific session of the Institute of Cutaneous Tuberculosis. Probl.
tub. no.2;70-71 Mr-Apr '55. (MLRA 8:6)
(TUBERCULOSIS,
conf.)

Bagayeva M.I.
BEN'YANOVICH, Ye.B.; GITMAN, S.M.; BAGAYEVA, M.I.

Problems in the treatment of sycosis. Vest. ven. i derm. no.4:
14-15 J1-Ag '55. (MLRA 8:12)

1. Iz otdela dermatologii (zav.-prof. L.N.Mashkilleyson)
TSentral'nogo kozhnovenerologicheskogo instituta Ministerstva
zdravookhraneniya SSSR (dir.-kandidat meditsinskikh nauk
N.M.Turanov)
(SYCOSIS, therapy)

BAGAYEVA, M. I., kand. med. nauk.

Reactivity to tuberculin in various forms of cutaneous tuberculosis.
Vest. ven. i derm. no.5:23-26 S-0 '55 (MLRA 9:1)

1. Iz Instituta kozhnogo tuberkuleza (dir.-kandidat meditsinskikh nauk
I. N. Agapkin, zam. direktora po nauchnoy chasti-dotsent I. I. Yukelis)
(TUBERCULOSIS, CUTANEOUS,
tuberculin sensitivity in)
(TUBERCULIN REACTION,
in cutaneous tuberc)

BAGAYEVA, M.I. kandidat meditsinskikh nauk; TERESHKOVICH, V.I.,
kandidat meditsinskikh nauk (Moskva)

"Skin and venereal diseases." L.I. Fadeev. Reviewed by M.I.
Bagaeva, V.I. Tereshkovich. Fel'd. i akush. no.6:61 Je '55.
(Skin--Diseases) (Venereal diseases) (Fadeev, L.I.)

Белое море
AGAPKIN, I.N., kandidat meditsinskikh nauk; BAGAYEVA, M.I., kandidat
meditsinskikh nauk. (Moskva)

Treatment of tuberculosis of the skin. Fel'd. i akush. no. 1: 11-14
Ja. '56 (MIRA 9:4)
(SKIN--TUBERCULOSIS) (VITAMINS--D)

BAGAYEVA, M.I., kandidat meditsinskiy nauk

Modern methods of treating cutaneous tuberculosis. Sov. probl.
tuberk. 7 no.5:3-10 '56. (MLRA 9:10)
(TUBERCULOSIS, CUTANEOUS, ther.
review)

USSR / Pharmacology, Toxicology. Chemotherapeutic V
Agents, Antituberculous Agents.

Abs Jour: Ref Zhur-Biol., No 18, 1958, 85262.

Author : Agapkin, I. N., Bagayeva, M. I.

ON BACK

-Inst : ~~Not given~~

Title : The Phthivazide Treatment of Patients with Lupus
Vulgaris Complicated by Elephantiasis.

Orig Pub: Probl. Tuberkuleza, 1957, No 4, 119-121.

Abstract: A high therapeutic effectiveness of phthivazide
(P) is intensified when it is combined with segmen-
tal application of mustard plasters. P was used
in a daily dose of 0.5-2 gm, and a complete course
was up to 200 gm. In patients with disseminated
forms of tuberculosis of the skin, in order to
avoid exacerbations of the diseases, P was given
in a daily dose of 0.3-0.5 gm, to a total dose of

Card 1/2

61

AGAPKIN, I.N., kand.med.nauk, BAGAYEVA, M.I. (Moskva)

Combined streptomycin and crisanol treatment of lupus erythematosus.
Vrach.delo no.7:755-757 (MIRA 11:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut tuberkuleza
Ministerstva zdravookhraneniya RSFSR.
(GOLD—THERAPEUTIC USE)
(LUPUS)

BAGAYEVA, M.I., kand.med.nauk, MOCHALOVA, T.P., kand.med.nauk, ZAGLUKHINSKAYA, S.B.
kand.biól.nauk.

Renal tuberculosis in patients with cutaneous tuberculosis. Urologia
23 no.4:31-33 J1-Ag '58 (MIRA 11:8)

1. Iz uròlogicheskogo otdeleniya (zav. - prof. A.B. Topchan) i
kozhnogo otdeleniya (zav. -kand.med.nauk I.N. Agapkin) Nauchno-issledova-
tel'skogo instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR.
(TUBERCULOSIS, RENAL compl.
cutaneous tuberc. (Rus))
(TUBERCULOSIS, CUTANEOUS, compl.
renal tuberc. (Rus))

AGAPKIN, Ivan Nikitovich; BAGAYEVA, Mariya Ivanovna

[Tuberculosis of the skin] Tuberkulez kozhi. Moskva, Medgiz,
1959. 224 p. (MIRA 13:8)
(SKIN--TUBERCULOSIS)

AGAPKIN, I.N., kand.med.nauk; BAGAYEVA, M.I., kand.med.nauk (Moskva)

Prophylaxis and treatment of skin tuberculosis. Med.sestra 18 no.10:
22-27 0 '59.

(MIRA 13:1)

(SKIN--TUBERCULOSIS)

BAGAYEVA, M.I., kand.med.nauk; KLEBANOVA, A.A., kand.biol.nauk

Clinical bacteriological parallels in tuberculous lupus during
antibacterial therapy. Vest.derm.i ven. no.8:29-35 '62.

(MIRA 15:9)

1. Iz kozhnogo otdeleniya (zav. - kand.med.nauk I.N. Agapkin)
mikrobiologicheskoy laboratorii (zav. - kand.med.nauk T.N.
Yashchenko) Instituta tuberkuleza (dir. - kand.med.nauk V.F.
Chernyshev) Ministerstva zdravookhraneniya RSFSR.
(LUPUS)

BAGAYEVA, M.I.; TONITROVA, N.S.

Lichenoid sarcoid in a woman with generalized sarcoidosis. Vest.
derm. i ven. 38 no.7:67-69 J1 '64. (MIRA 18:4)

1. Moskovskiy nauchno-issledovatel'skiy institut tuberkuleza
(dir. - kand.med.nauk T.P.Mochalova, zamestitel' dir-ktora
po nauchnoy chasti - prof. D.D.Aseyev) Ministerstva zdravookh-
raneniya RSFSR.

BAGAYEVA, M.I., kand.med.nauk

Non-specific allergy in cutaneous tuberculosis patients. Vest. dermat. ven. 38 no.6:43-48 Je '64. (MIRA 18:6)

1. Kozhnoye otdeleniye (zav. - kand.med.nauk I.N.Agapkin) Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR (dir. - kand.med.nauk T.F.Mochalova).

BAGAYEVA, N. K., MOISEYEV, N. N.,

"New method for solution of problems of optimal flight theory"

report to be submitted for the 14th Congress Intl. Astronautics Federation,
Paris, France, 25 Sep-1 Oct 1963

BAGAYEVA, M.Ya.; MOISEYEV, N.N.

Method for the numerical solution of optimum control problems. Dokl. AN SSSR 153 no.4:747-750 D '63. (MIRA 17:1)

1. Vychislitel'nyy tsentr AN SSSR. Predstavleno akademikom A.A. Dorodnitsynym.

BAGAYEVA, N.Ya. (Moscow)

"Some non-classical problems of the theory of optimum transfers with restrictions on phase co-ordinates"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964

ACCESSION NR: AP4024564

S/0208/64/004/002/0317/0326

AUTHORS: Bagayeva, N. Ya. (Moscow); Moiseyev, N. N. (Moscow)

TITLE: Three problems on the oscillation of a viscous liquid

SOURCE: Zhurnal vysshislitel'noy matematiki i matematicheskoy fiziki, v. 4, no. 2, 1964, 317-326

TOPIC TAGS: viscous liquid, incompressible liquid, plane oscillation, liquid oscillation, damping, perturbed liquid

ABSTRACT: A series of problems concerning the oscillation of a viscous liquid are considered. These problems permit the application of the method presented by N. N. Moiseyev (O krayevyykh zadachakh dlya linearizovannykh uravneniy Nav'yе-Stoksa v sluchaye, kogda vyazkost' mala. Zh. vyshisl. matem. i matem. fiz., 1961, 1, No. 3, 548-550). At the same time, several new facts in the dynamics of viscous liquids are established. Plane oscillations of a viscous, incompressible liquid in a vessel, arising from the force of gravity, are considered. The wave amplitude and the velocity are considered small, and, correspondingly, the problem is linearized. The coordinate system and notation are given in Fig. 1 of the

Card 1/4

ACCESSION NR: AP4024564

Enclosure. The motion of the liquid is described by the Navier-Stokes equation and the continuity equation. The boundary conditions on Σ are $v_1 = v_2 = 0$, and on S ,

$$v_{1y} + v_{2x} = 0, \quad p = \frac{2}{R} v_{2y}, \quad f_t = v_1.$$

Here, v_1 and v_2 are the vector components of the velocity v , p is the pressure, $y = f(x, t)$ is the equation of the free surface, and R is the Reynolds number. Solutions of the form

$$\varphi = e^{\sigma t} \Phi(x, y), \quad \psi = e^{\sigma t} \Psi(x, y),$$

are studied, where $\sigma = \alpha + i\omega$, as is the dependence of the damping constant α and the oscillation frequency ω on the viscosity. The functions Φ and Ψ satisfy

$$\Delta \Phi = 0, \quad \sigma \Psi = \frac{1}{R} \Delta \Psi$$

and the boundary conditions for $y = 0$:

$$\sigma \Psi = -\frac{2}{R} \frac{\partial}{\partial x} (\Phi_y - \Psi_x),$$

Card 2/4

$$\sigma^2 F \Phi + \Phi_y = \frac{\partial}{\partial x} \left[\Psi + \frac{2\sigma F}{R} (\Phi_x + \Psi_y) \right],$$

ACCESSION NR: AP4024564

where F is the Froude number. The question concerning the damping of the standing waves on the surface of the liquid is studied, assuming that the viscosity of the liquid is small. The oscillation of the liquid between two vertical walls is then considered. Tables are given showing the dependence of the damping on the viscosity for water and kerosene. Finally, a problem concerning a forced oscillation of the viscous liquid by a perturbation force with a given frequency is investigated. "The author thanks A. G. Schmidt, who read the manuscript and checked the computations." Orig. art. has: 76 equations, 1 figure, and 2 tables.

ASSOCIATION: none

SUBMITTED: 20May63

DATE ACQ: 16Apr64

ENCL: 01

SUB CODE: PH

NO REF SOV: 005

OTHER: 000

Card 3/4

ACCESSION NR: AP4024564

ENCLOSURE: 01

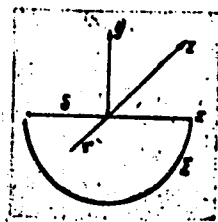


Fig. 1.

Card 4/4

BAGAYEVA, V.A., kand. tekhn. nauk

Technical and economic substantiation of traffic density
for the design of nonrigid pavements. Avt.dor.i dor.stroi.
no.1:198-206 '65. (MIRA 18:11)

BAGAYEVA, V. A.

Bagayeva, V. A.

"Investigation of the Location of Curves on Automobile Highways in Irrigated Regions." Min Higher Education USSR. Khar'kov Automobile and Road Inst. Khar'kov, 1955. (Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis': No. 27, 2 July 1955.

[illegible]

Uzbekistan
MAKAROV, N.I.; MAKAROVA, Ye.P.; BAGAYEVA, V.T.

Seasonal and age susceptibility of the lesser suslik (*Citellus pygmaeus* Pall.) to tularemia infection. Zool.shur. 34 no.3:
652-657 My-Je '55. (MIRA 8:8)

1. Stalingradskaya stantsiya Ministerstva zdavookhraneniya SSSR
(Tularemia) (Susliks--Diseases)

BAGAYEVA, Z.L.; SOLOV'YEVA, L.S.

Erythroblastosis (Di Guglielmo's syndrome). Vop.biofiz., biokhim.
i pat.erit. no.2:280-287 '61. (MIRA 16:3)

1. Krasnoyarskiy meditsinskiy institut.
(HEMOPOIETIC SYSTEM ~~EN~~-DISEASES)

BAGAYSKOV, V.

Gold casting of pig iron. Prom.koop. 14 no.7:3-4
J1 '60. (MIRA 13:8)

1. Tekhnoruk arteli "Metallurg," Stalingrad.
(Stalingrad--Iron founding)

BAGAZHKOV, S.G. ; ARKHIPOV, M.I.

Kinetics of the reaction of n-tert-butylphenol with formalde-
hyde in the alkali medium. Lakokras.mat. i ikh. prim. no.4:14-16
'62. (MIRA 16:11)

BAGAZHKOV, S.G.; ARKHIPOV, M.I.

Synthesis of dodecylphenolformaldehyde tar and its properties.

Lakokras. mat. i ikh prim. no.5:16-19 '61. (MIRA 15:3)

(Phenol condensation products) (Protective coatings)

BAGBAN-ZADE, A.I., aspirant

Forensic medical evaluation of pelvic fractures due to traffic accidents and the determination of the severity of injury.

Azerb.med.zhur. no.7:101-104 J1 '58

(MIRA 11:8)

1. Iz kafedry sudebnoy meditsiny (zav.kafedroy-prof. A.S. Sultanov)
Azerbaydzhanskogo gosudarstvennogo meditsinskogo instituta im.
N. Narimanova.

(PELVIS--FRACTURE)

(TRAFFIC ACCIDENTS)

Bagbanly, E.A.

USSR/Geology - Volcanic action

Card 1/1 Pub. 86 - 12/33

Authors : Ismailzade, I. G., Cand. Chem. Sci.; and Bagbanly, E. A., Cand. Tech. Sci.

Title : Marine and volcanoes

Periodical : Priroda 43/11, 94-95, Nov 1954

Abstract : It is found that some islands near Baku in the Caspian sea were formed by mud volcanoes. Their formation and growth is traced with dates and dimensions stated. Some of the islands have disappeared again beneath the water.

Institution : ...

Submitted : ...

BAGBANLY, E.A.

Flow of water-air mixture through a nozzle.

**Dekl. AN Azerb. SSR 11
no. 10:683-688 '55. (MIRA 9:2)**

**1. Neftyanaya ekspeditsiya AN Azerbaydzhanskoy SSR. Predstavleno
deystvitel'nyy chlenom AN Azerbaydzhanskoy SSR M.F. Nagiyevym.
(Fluid dynamics) (Nozzles)**

BAGBANLY, E.A.

Effective use of bits in bottom-hole drilling [in Azerbaijani with
summary in Russian]. Izv.AN Azerb.SSR no.7:33-47 J1 '56.(MLRA 9:10)
(Oil well drilling)

BAGBANLY, E.A.;

BAGBANLY, E.A.; DADAYEVA, E.A.; CHERNOMORDIKOV, M.Z.

Edge water drive in the Bibi-Eybat Supra-Kirmaki subseries. Azerb.
neft. khoz. 36 no.5:21-23 My '57. (MIRA 10:11)
(Baku--Oil field flooding)

ALIZADE, M.N.; BAGBANLY, E.A.

Saturation pressure of formation oils. Dokl. AN Azerb.SSR 14
no. 8:579-587 '58. (MIRA 11:8)

1. Institut nefti AN AzerSSR. Predstavleno akademikom AN AzerSSR
M.F.Nagiyevym.

(Petroleum)

BAGBANLY, E.A.

Determining the relation between pressure and saturation with
the liquid phase in a dissolved-gas pool. Izv. AN Azerb. SSR. Ser.
fiz.-mat. i tekhn. nauk no.5:143-150 '59. (MIRA 13:3)
(Oil reservoir engineering)

ALIZADE, M.N.; BAGBANLY, E.A.; RASULZADE, A.A.; MREHTIYEV, D.M.

Investigating a new method of producing petroleum with thermal lift. Dokl. AN Azerb. SSR 15 no.2:131-135 '59. (MIRA 12:5)

1. Institut geologii AN AzerSSR. Predstavleno akademikom AN AzerSSR M.F. Nagiyevym.
(Petroleum engineering)

BAGBANI, E. A.

Possibility of using field data in petroleum production. Azerb.
neft. khoz. 39 no.5:20-23 My '60. (MIRA 13:10)
(Oil fields—Production methods)

RAGBANLY, E.A.

Possibility for utilizing data on petroleum extraction. Izv.AN
Azorb.SSR. Ser.fis.-mat.i tekhnauk no.1:121-126 '60.

(MIRA 13:11)

(Petroleum engineering)

BAGBANLY, E.A.; GURBANOV, R.S.; ZEYNALOV, T.A.

Variations in the temperature regime of the 1st of a producing
formation in the Kyurovdag oil field. Izv. AN Azerb. SSR. Ser.
geol.-geog. nauk no.5:87-95 '64. (MIRA 18:6)

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 275 (USSR) SOV/137-- 58-11-23801

AUTHORS: Bagbanly, Guseynov [Bagbanly, I. L., Huseynov, I.G.]

TITLE: Quantitative Determination of a Small Amount of Bismuth in the Form of Bismuth Reineckeate by the Volumetric Method (Kolichestvennoye opredeleniye malogo kolichestva vismuta v vide reynekeata vismuta ob'yemnym sposobom) in Azerbaydzhanian

PERIODICAL: Izv. AN Azer S. Ser. fiz.-tekhn. i khim. n., 1958, Nr 1, pp 83-95

ABSTRACT: To precipitate Bi from acid solutions $\text{NH}_4 [\text{Cr}(\text{CNS})_4 (\text{NH}_3)_2] \text{H}_2\text{O}$ (I) Reinecke salt was used. The Bi $[\text{Cr}(\text{CNS})_4 (\text{NH}_3)_2]_3$ precipitate formed was further treated to determine Bi by different methods based on the titration of one of the components of the complex salt. An 0.04 - 1.29N Bi nitrate solution in HNO_3 is cooled with ice water and in it Bi is precipitated with 2.5% solution of I. The Bi-I precipitate is filtered off on Nr-4 glass filter and washed with a 1:1 cooled mixture of alcohol and benzol. The washed precipitate is dissolved on the filter in hot 10% NaOH solution, the filtrate is heated for 5 - 10 min on a water bath and acidulated with 10 cc concentrated HCl. The solution

Card 1/2

Quantitative Determination of a Small Amount of Bismuth in the Form of (cont.) SOV/137-58-11-23801

is cooled, 5-10 cc of benzol are added and the SCN^- in it is treated with KIO_3 solution to discoloration of the benzol layer. By a second alternative method the amount of SCN^- in the solution is determined argentometrically in the presence of eozine to the change of coloring from yellow into rose-red. According to a third alternative method Cr is oxidized and the determination is completed iodometrically. The iodometric method surpasses the other methods in speed and precision. By this method 0.008 mg Bi can be determined.

V. N.

Card 2/2

Handwritten at top left: *90 only, L.F.*

Faint, mostly illegible text in the center of the page, possibly a list or report.

Handwritten at bottom right: *1/2*

Chapman, I. L.
A. E. 11

2.000

Removing iron from Aspharen sands used for the pro-
duction of window glass. J. L. HARRAH, *Trudy Khim.*
Inst. Akad. Nauk S.S.S.R., 3, 25-36
(1940); *Khim. Refrat. Zhur.*, 4 [4] 100 (1941). M.Ho.

BAGBANLY, I.L.; MAMEDKULIYEVA, M.M.

Potentiometric determination of silver by titration with a Reinecke salt.
Dokl. AN Azerb. SSR 17 no.1:35-38 '61. (MIRA 14:3)

1. Institut khimii AN Azerb. SSR. Predstavleno akademikom AN Azerbaydzhanskoy SSR M.A. Kashkayem.
(Silver—Analysis)

BAGBANLY, I. L.

Bagbanly, I. L. "Iodometric method of analyzing compounds of renic salt,"
Izvestiya Akad. nauk Azerbaydzh. SSR, 1948, No. 9, p. 53-62 - In Azerbaydzhian
language - Resume in Russian - Bibliog: 7 items

SC: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

BAGBANLY, I. L.

Analytical Chemistry, Inorganic (11231)

Dokl. AN Azerb. SSR, Vol 9, No 7, 1953, pp 373-376

BAGBANLY, I. L. and MIRZOYEVA, T.

"Determination of Thallium as a Complex Compound"

Tl^+ is precipitated with the aid of $NH_4(Cr(CNS)_4(NH_3)_2) \cdot H_2O$. One ml of the solution containing not less than 2 mg Tl^+ is acidified to 2N with H_2SO_4 and 2-3 ml of freshly prepared 2.5% $NH_4(Cr(CNS)_4(NH_3)_2) \cdot H_2O$ solution is added. The solution is heated to 40-50°C for 20 minutes. After cooling, the precipitate is filtered through a glass filter, washed, and dried to constant weight. The relative error in determining 2 mg Tl^+ is 0.4%.

SO: Referativnyy Zhurnal--Khimiya, No 1, 1 Jan 54; SO: (W-30785, 28 July 1954.)

BAĞDANLI, I. L., Shaahmamedbekova, E. Z., and Zeynalova, Kh. K.

"Bleaching Properties of Binagadinks and Karachukhursk Clays"
Azerbaychan SSR Elmler Akademiyanyyn m'ruzeleri, 9, No 7, 1953, 381-384
(Azerbaydzhani, with Russian resume)

The best clays of the Apsheron Peninsula for bleaching oily distillates are clays from the Binagadinsk and Karachukhursk deposits. As adsorbents in the cleaning of oils they are not worse than gumbrin (a clay peculiar to Russia), but yield to gumbrin in the matter of speed of filtration and oil capacity. (RZhGeol, No 6, 1955)

SO: sum-No 787, 12 Jan 56

Bagbanly, I.L.

USSR

CH
(1)
Determination of potassium as $K_2PbCu(NO_3)_6$ in a mixture of chlorides of alkali metals. I. L. Bagbanly and I. P. Selimkhanov. *Trudy Komissii Akad. Nauk Azerb. SSR, Otdel. Khim. Nauk* 5(8) 167-72(1954).—Pptn. of $K_2PbCu(NO_3)_6$ can be used for detg. K in a mixt. of alkali chlorides. The total concn. of all the alkali chlorides should not be above 17 mg./ml. The ratio Na:K should not be above 9. At least 1 mg./ml. K should be present after the reagent is added. Expts. showed that for conversion of $K_2PbCu(NO_3)_6$ to K, the empirical factor 0.1381 should be used instead of the theoretical 0.1251. The reagent is prepd. by dissolving 6.6 g. $Cu(OAc)_2$ and 11.7 g. $Pb(OAc)_2$ in 100 ml. H_2O . For each mg. of mixed chlorides (assumed to be pure KCl) use 0.04 ml. reagent and 0.4 g. $NaNO_3$ per ml. of reagent. Add the reagent to a beaker contg. the sample and $NaNO_3$. After stirring, place the mixt. in ice H_2O for 1 hr., filter through a tared porous glass crucible No. 3 or 4, and wash the ppt. with pure, cold $EtOH$. Dry the crucible briefly in air and then at 100° for 30-40 min. Known samples contg. 1.15-2.16 mg./ml. K gave good results. Eurlila Mayerle

MET

BAGDANLY, I.L.; SELIMKHANOV, I.R.

Quantitative determination of potassium in the form of
 $K_2PtCl_6(NO_2)_6$ in a mixture of alkali metal nitrates. Trudy
Kombanal.khim. 5:173-178 '54. (MLRA 8:6)
(Potassium)(Alkali metal nitrates)

BAL-BANDY, L. L.

U S S R .

Preparation of aluminum sulfate from kaolin clays.
 L. L. Balbandy and Kh. L. Zehmalova. *Trudy Inst. Khim. i
 Akad. Nauk Azerbaidzhan S.S.R.* 13, 104-12 (1954) (in
 Russian).—The calcination of kaolin clays from Chovdar
 and Chardakhia regions raised their activity with respect to
 acids. Alumina from such clays after calcination at 650°
 was almost completely extractable by H_2SO_4 in the form of
 $Al_2(SO_4)_3$. Sols, in the case of uncalcined clays was neg-
 ligible. The best temp. for acid extn. was 165°. The
 acidic ext. was best treated with charcoal for removal of
 tarry impurities. Three crystals were sufficient to give
 pure inorg. salt. G. M. Kosolapov

BAGBANLY. I.L.

Replacement of caustic soda by sodium sulfide in the chemical treatment of clay mortar. I. L. Bagbanly, M. M. Gurvich, and A. K. Miskarli. *Trudy Inst. Khim. Akad. Nauk Azerbaidzhan S.S.R.* 13, 114-23 (1954) (in Russian).—
Na₂S solns. have been used to ext. humic substances from brown coal. Their use for extn. of humic substances from clay mortar is proposed. Causticization of Na₂S by lime is negligible, but hydrated Fe oxide can give solns. whose NaOH/Na₂S ratio is 91.3/8.5, although with loss of sulfide amounting to as much as 43%. The residual sulfide in the thus obtained soln. is oxidizable by air; after such oxidation the soln. loses its odor and no longer attacks Cu surfaces.
G. M. Kusalapoff

(2)

BAGBANLY, I. L.

USSR/Analytical Chemistry - General Questions, G-1

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61788

Author: Bagbanly, I. L.

Institution: None

Title: Color Reaction for the Qualitative Detection of Some Heavy Metals

Original

Periodical: Izv. AN Azerb. SSR, 1955, No 11, 43-50; Azerbaijani resumé

Abstract: Tetrarhodanodiamminchromiate of ammonia in acid and neutral media precipitates the ions Ag, Au, Hg, Tl, Cu, Cd, Bi, Sn, Sb, Pt and Pd. Cathions forming amines having a positive charge (Ag, Cd, Cu^{2+} , Ni and Zn) produce colored crystalline precipitates which are suitable for detecting these elements on filter paper or under the microscope.

Card 1/1

BAKSHANLY, I. L.

MT

✓New form of cement (concrete) based on alunite from Zaglikak deposits. I. L. Bagbanly, Kh. L. Zefmalova, and T. R. Mirroeva. *Doklady Akad. Nauk Azerbaidzhan. S.S.R.* 11, No. 4, 249-52 (1955) (in Russian, Azerbaidzhan summary, 252-3).—The clay residue obtained from partial calcining of alunite, contg. SiO_2 6.41%, Al_2O_3 30.85%, and SO_3 28.48%, forms a compn. with limestone at 1:1 proportion which clinkers at 1250-300° to a gray clinker, which on powdering and mixing with H_2O shows good hardening and binding ability. G. M. Kosolapov

②

Institut khimii Akademii nauk Azerbaydzhanskoy SSR. Predstavleno deystvitel'nyy chlenom AN Azerbaydzhanskoy SSR M.A. Kashkayevm.

BAGBANLY, I.L.

Volumetric iodatometric method for the determination of cadmium.
Izv. AN Azerb.SSR no.5:29-41 My '56. (MLRA 9:10)

(Iodometry) (Cadmium)

B A G B A R I Y, I L.

USSR/ Analytical Chemistry - Analysis of Inorganic Substances

G-2

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12043

Author : Bagbarly I.L., Manedkuliyeva M.M.

Inst : Academy of Sciences Azerbaydzhan SSR

Title : New Method of Determining Small Amounts of Silver in the Presence of Heavy Metals

Orig Pub : Dokl. AN AzerbSSR, 1956, 12, No 3, 173-176

Abstract : Ag^+ ion is precipitated as $\text{Ag} [\text{Cr}(\text{SCN})_4(\text{NH}_3)_2]_3$ with Rein-
ecke salt in acid medium while heating. Weighing of
the resulting precipitate permits to determine 5 mg Ag in
100 ml solution. On titrimetric determination of Ag^+ ,
the precipitate is decomposed with a dilute solution of
NaOH, with moderate heating, and after separation of Ag_2O
the SCN^- ion is titrated with iodate in hydrochloric
acid solution. The ions Cu^{2+} and Bi^{3+} are masked prior
to precipitation of Ag^+ ion by an addition of $\text{Na}_4\text{P}_2\text{O}_7$.

Card 1/1

BAGBANLY I. L.

USSR/Analytical Chemistry. General Topics.

G-1

Abs Jour : Referat. Zhurnal Khimii, No 6, 1957, 19479.

Author : I.L. Bagbanly.

Inst : Academy of Sciences of Azerbaidzhan SSR.

Title : Concerning Solubility of Difficultly Soluble Complex Compounds of Some Cation Produced Under Influence of Reineke's Salt.

Orig Pub : Me'ruzeler AzerbSSR Elmler Akad.. Dokl. AN AzerbSSR, 1956, 12, No 7, 459-462.

Abstract : The dependence of the solubility of slightly soluble complex compounds of Ag^+ , Pb^{2+} , Bi^{3+} , Tl^+ , Au^{3+} , Pt^{4+} and Pd^{2+} and tetrathiocyanatediamine-chromate of ammonium $\text{NH}_4[\text{Cr}(\text{SCN})_4(\text{NH}_3)_2]$ (NH_4A) on the temperature ($20 - 80^\circ$) was determined. Following values of the solubility product at 20° were found: Ag_2A 2.5×10^{-8} ; PbA_2 8.8×10^{-4} ; HgA_2 4.9×10^{-15} ; BiA_3 1.4×10^{-13} ; CdA_2 6.9×10^{-12} ; CuA_2 2.9×10^{-8} ; TlA 2.8×10^{-9} . All the above mentioned cations can be quantitatively precipitated with NH_4A with the exception of Pb^{2+} .

Card 1/1

-12-

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103010006-0

CONFIDENTIAL, I.I.

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000103010006-0"

BAGRANLY, I.L.

Preparation of potassium, sodium, and aluminum sulfates based on
the chemical processing of alunite. Trudy Inst.khim.AN Azerb.SSR
Azerb.SSR 15:5-14 '56. (MLRA 9:11)
(Sulfates) (Alunite)

BAGBANLY, I.L.
BAGBANLY, I.L.; MIRZOYEVA, T.R.

Quantitative volumetric determination of small amounts of thallium
in the form of thallium reineckate [in Azerbaijani with summary in
Russian]. Uch. zap. AGU no.4:35-45 '57. (MIRA 11:1)
(Thallium) (Ammonium reineckate) (Titration)

BAGDAD, I. L.

BAGDAD, I. L.; BAGDAD, I. L.

~~SECRET~~
Qualitative gravimetric determination of bismuth in the form of
red oxide [in Azerbaijani with summary in Russian]. Dokl. AN Azerb.
SSR 1986:1008-092 17. (ELRA 10:8)
(Bismuth--Analysis) (Red oxide acid)

BAGBANLY, I.L.; MIRZOYEVA, T.R.; ZEYNALOVA, Kh.L.

Purification of Nakhichevan rock salt. Trudy Inst. khim. AN Azerb.
SSR 16:108-117 '57. (MIRA 12:9)
(Nakhichevan A.S.S.R.--Salt mines and mining)

BAGBANLY, I.L.; GUSEYNOV, I.K.

Volumetric quantitative determination of the trace quantities of bismuth
in the form of reineckate. Izv.AN Azerb.SSR.Ser.Fiz-tekh. i khim.nauk.
no.1:83-95 '58. (MIRA 12:3)

(Bismuth--Analysis) (Ammonium reineckate) (Titration)

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 3, p 333 (USSR) SOV/137-59-3-7287

AUTHORS: Bagbanly, Guseynov [Bagbanly, I. L., Hyseynov, I. G.]

TITLE: Volumetric Iodate Method for Quantitative Determination of Bismuth in the Form of Bismuth Chromo-hexathiocyanate (Ob'yemno-yodatometricheskiiy metod kolichestvennogo opredeleniya vismuta v vide vismutgeksarodanokhromiata) in Azerbaydzhanian

PERIODICAL: Dokl. AN AzerbSSR, 1958, Vol 14, Nr 7, pp 515-519

ABSTRACT: The author proposes a rapid and accurate method for the determination of Bi in the form of $\text{Bi}[\text{Cr}(\text{CNS})_6]$. The solution tested is acidulated to an 0.33 - 1N acidity, 100 mg of Bi are precipitated with 25 cc of a 4% aqueous solution of $\text{K}_3[\text{Cr}(\text{CNS})_6]$, and after 15-20 min the precipitate is filtered off through a Nr-4 glass filter, washed with water, and then dissolved with hot 5% NaOH solution. The flask containing the solution is heated for 5-10 min in a water bath, 10 cc of concentrated HCl are added, the solution is cooled, 10 cc of benzene are added to it, and it is titrated with a standard KIO_3 solution to the discoloration of the benzene layer.

Card 1/1

Kh. Sh.

BAGBANLY, I.L.; MIRZOYEVA, T.R.

Determining small quantities of bivalent copper in the form of a complex trivalent chromium compound by iodometric titration [in Azerbaijani with summary in Russian]. Dokl.AN Azerb.SSR 14 no.11:849-852 '58. (MIRA 11:12)

1. Institut khimii AN Azer SSR.
(Iodometry) (Copper) (Ammonium reineckate)

BAGBANLY, I.L.; MAMEDKULIYEVA, M.M.

Using a reinecke salt as a precipitating agent in the quantitative determination of silver in an iodide-silver electrolyte [in Azerbaijani with summary in Russian]. Dokl. AN Azerb. SSR 14 no.12:997-1002 '58.

(Silver--Analysis) (Iodometry)
(Precipitation)

(MIRA 12:1)

BAGBANLY, I.L.

Quantitative determination of gold by means of a complex com-
ound of trivalent chromium. Azerb.khim.zhur. no.1:75-82
'59. (MIRA 13:6)

(Gold--Analysis) (Chromium compounds)

RAGKANLY, I.L.; MAMEDKULIYEVA, M.M.

Determination of the solubility product of silver reineckate
using radioactive silver isotopes. Azerb. khim.zhur. no.4:
105-108 '59. (MIRA 14:9)
(Silver reineckate) (Silver---Isotopes)

HAGBANLY, I.L.

Quantitative determination of gold by means of a complex compound
of trivalent chromium. Dokl. AN Azerb. SSR 5 no.5:383-387 '59.
(MIRA 12:8)

1. Institut khimii Akademii nauk AzerSSR.
(Gold--Analysis) (Chromium compounds)

HAGBANLY, I.L.; MIRZOYEVA, T.R.

Argentometric titration in the quantitative determination of cadmium, copper, and thallium [in Azerbaijani with summary in Russian]. Dokl. AN Azerb. SSR 15 no.4:311-315 '59.

(MIRA 12:6)

1. Institut khimii Akademii nauk Azerbaydzhanskoy SSR.
(Argentometry) (Cadmium--Analysis) (Thallium--Analysis)

BAGBANLY, I.L.; MIRZOYEVA, T.R.

Iodometric method for determining a small quantity of zinc with
Reinecke's salt. Dokl. AN Azerb. SSR 15 no.7:567-570 '59.
(MIRA 12:11)

1. Institut khimii AN AzerSSR.
(Iodometry) (Zinc---Analysis)

BAGBANLY, I.L.

New quantitative method of determining small amounts of copper
by the iodate titrimetric method. Trudy Inst.khim.AN Azerb.SSR
17:83-97 '59. (MIRA 13:4)

1. Institut khimii AN AzerSSR.
(Copper--Analysis)

BAGEANLY, I.L.; MIRBARAYEVA, F.Yu.

Reduction and carbonization of a mixture of alkali metals
for producing sodium and potassium carbonates and alkali hy-
droxides. Azerb.khim.shur. no.2:111-121 '59.

(MIRA 13:6)

(Alkali metals) (Sodium carbonate)
(Potassium carbonate) (Alkali hydroxide)

BAGBANLY, I. L., Doc Chem Sci -- (diss) "Application of ammonium tetrarhodanodiamminchromate in the analytical chemistry of rare and non-ferrous metals." Baku, Azerbaydzhan State Univ Press, 1960. 28 pp; (Committee on Higher and Secondary Specialist Education under the Council of Ministers Azerbaydzhan SSR, Azerbaydzhan State Univ im S. M. Kirov); 100 copies; price not given; list of author's works on pp 26-28 (25 entries); (KL, 17-60, 141)

BAGBANLY, I.L.; GUSEYNOV, I.K.

Iodometric determination of lithium. Azerb.khim.zhur. no.5:77-86
'60. (Lithium--Analysis) (Iodometry) (MIRA.14:8)

BAGBANLY, I.L.; MIRZOYEVA, T.R.; POSADOVSKAYA, A.K.

Purification of Nakhichevan' rock salt. Azerb.khim.zhur.
no.6:107-117 '60.

(Sodium chloride)

(MIRA 14:8)

BAGBANLY, I.L.; ZEYNALOVA, Kh.L.; MIRZOYEVA, T.R.

Study of the conditions for obtaining titanium dioxide from magnetite sandstone of the Dashkesan deposit by the acid treatment. Trudy Inst.khim. AN Azerb.SSR 18:55-66 '60. (MIRA 14:9)
(Titanium oxide) (Dashkesan--Sandstone)

Investigating means ...

S/137/61/000/G12/033/149
A006/A101

1:0.2 ratio of the rock to the coal a reduction by 11.34% was obtained. The temperature changed within 1,000 - 1,100°C, the reduction time was 4 hours. At 1,100°C the degree of reduction attained 40%. To obtain Ti-concentrate and separate the Fe metal from the reduction product, the latter was processed with FeCl_3 . After processing with FeCl_3 the solution contained about 1.5% TiO_2 . The maximum TiO_2 content in the concentrate attains up to 12.62%. ✓

G. Svodtseva

[Abstracter's note: Complete translation]

Card 2/2

BAGBANLY, I. L.; MIRZOYEVA, T. R.

Determination of boron in oil field waters by the colorimetric
method. Azerb.khim.zhur. no.4:115-126 '61. (MIRA 14:11)
(Boron-Analysis)
(Oil field brines)

BAGBANLY, I.L.; ZEYNALOVA, Kh.L.K.

Titanium determination in magnetite sandstones. Dokl. AN Azerb. SSR
17 no.9:793-796 '61. (MIRA 15:3)

1. Institut khimii AN AzSSR. Predstavleno akademikom AzSSR M. F.
Nagiyevym.

(Rocks--Analysis) (Titanium)

BAGBANLY, I.L.; GUSEYNOV, I.K.

Quantitative determination of thiourea by iodometric titration.
Dokl. AN Azerb. SSR 17 no.12:1143-1145 '61. (MIRA 15:2)

1. Institut khimii AN AzSSR. Predstavleno akademikom AN AzSSR
M.F.Nagiyevym.

(Urea--Analysis) (Iodometry)

DFG-BHN-4) IL

46

PHASE I BOOK EXPLOITATION

SOV/6195

Nauchnaya konferentsiya institutov khimii Akademiy nauk Azerbaydzhanskoy, Armyanskoy i Gruzinskoy SSR. Yerevan, 1957.

Materialy nauchnoy konferentsii institutov khimii Akademiy nauk Azerbaydzhanskoy, Armyanskoy i Gruzinskoy SSR (Materials of the Scientific Conference of the Chemical Institutes of the Academies of Sciences of the Azerbaydzhans, Armenian, and Georgian SSR) Yerevan, Izd-vo AN Armyanskoy SSR, 1962. 396 p. 1100 copies printed.

Sponsoring Agency: Akademiya nauk Armyanskoy SSR. Institut organicheskoy khimii.

Resp. Ed.: L. Ye. Ter-Minasyan; Ed. of Publishing House: A. G. Silkuni; Tech. Ed.: G. S. Sarkisyan.

PURPOSE: This book is intended for chemists and chemical engineers, and may be useful to graduate students engaged in chemical research.

COVERAGE: The book contains the results of research in physical, inorganic, organic, and analytical chemistry, and in chemical engineering, presented at the Scientific Conference held in Yerevan, 20 through 23 November 1957. Three reports of particular interest are reviewed below. No personalities are mentioned. References accompany individual articles.

Materials of the Scientific Conference (Cont.)

SOV/6195

Yesayan, G. T. Synthesis of Some Organic Compounds of Sulfur
With Insecticidal and Acaricidal Activity

344

ANALYTICAL CHEMISTRY

Bagbanly, I. L., and T. R. Mirzoyeva. Volumetric-Iodato-
metric Method of Determining Small Amounts of Zinc Em-
ploying Complex Compounds of Trivalent Chromium

352

CHEMICAL ENGINEERING

Melik-Akhnazaryan, A. F. Investigation of the Electrical
Melting of Glass

361

Mamedov, Shamkhal, and I. Nizker, and A. Rzayev. Synthesis
of Plasticizer AHAS-y

375

Card 10/11

212